

Table S7. The degree value in the CCD network

SUID	AverageShortestPathLength	BetweennessCentrality	ClosenessCentrality	Degree	Eccentricity	IsSingleNode	name	NeighborhoodConnectivity	NumberOfDirectedEdges	PartnerOfMultiEdgedNodePairs	Radiality	selected	shared name	Stress	TopologicalCoefficient	type
3708	2.09090909	0.11699753	0.47826087	21	5	FALSE	AKT1	5.52380952	21	0	0.81818182	FALSE	AKT1	6978	0.41125541	gene
3716	2.16363636	0.10322278	0.46218487	19	5	FALSE	MAPK1	5.52631579	19	0	0.80606061	FALSE	MAPK1	6088	0.41148325	gene
3714	2.16363636	0.09419009	0.46218487	19	5	FALSE	PIK3CA	5.63157895	19	0	0.80606061	FALSE	PIK3CA	5814	0.42105263	gene
3721	2.23636364	0.16299951	0.44715447	17	5	FALSE	TNF	4.35294118	17	0	0.79393939	FALSE	TNF	7626	0.30481283	gene
3712	2.30909091	0.14931588	0.43307087	15	5	FALSE	IGF1	4.8	15	0	0.78181818	FALSE	IGF1	5800	0.34545455	gene
3713	2.30909091	0.18729309	0.43307087	13	3	FALSE	IL2	4	13	0	0.78181818	FALSE	IL2	6198	0.25	gene
3711	2.38181818	0.03978278	0.41984733	13	5	FALSE	MTOR	5.69230769	13	0	0.76969697	FALSE	MTOR	2466	0.42657343	gene
3709	2.41818182	0.07374604	0.41353383	12	5	FALSE	CASP3	5.33333333	12	0	0.76363636	FALSE	CASP3	3426	0.39393939	gene
3710	2.49090909	0.17599444	0.40145985	11	5	FALSE	ESR1	3.63636364	11	0	0.75151515	FALSE	ESR1	5434	0.26363636	gene
3707	1.94545455	0.12775999	0.51401869	10	4	FALSE	Pathways in cancer	13.6	10	0	0.84242424	FALSE	Pathways in cancer	5636	0.315	pathways
3718	2.52727273	0.04622202	0.39568345	9	5	FALSE	PTGS2	5.11111111	9	0	0.74545455	FALSE	PTGS2	2580	0.37373737	gene
3722	2.09090909	0.07319015	0.47826087	8	6	FALSE	Proteoglycans in cancer	15.875	8	0	0.81818182	FALSE	Proteoglycans in cancer	3776	0.371875	pathways
3730	2.41818182	0.02507602	0.41353383	7	6	FALSE	Human cytomegalovirus infection	15.71428571	7	0	0.76363636	FALSE	Human cytomegalovirus infection	1958	0.45982143	pathways
3719	2.41818182	0.03072035	0.41353383	7	6	FALSE	Lipid and atherosclerosis	14	7	0	0.76363636	FALSE	Lipid and atherosclerosis	1806	0.40625	pathways
3734	2.30909091	0.03567364	0.43307087	6	4	FALSE	PI3K-Akt signaling pathway	16.66666667	6	0	0.78181818	FALSE	PI3K-Akt signaling pathway	1976	0.46078431	pathways
3726	2.45454545	0.01842221	0.40740741	6	6	FALSE	TNF signaling pathway	16.16666667	6	0	0.75757576	FALSE	TNF signaling pathway	1502	0.47395833	pathways
3725	2.34545455	0.03243851	0.42635659	6	4	FALSE	C-type lectin receptor signaling pathway	16.33333333	6	0	0.77575758	FALSE	C-type lectin receptor signaling pathway	2258	0.46464646	pathways
3724	2.45454545	0.03521382	0.40740741	6	6	FALSE	Endocrine resistance	16.33333333	6	0	0.75757576	FALSE	Endocrine resistance	1760	0.47916667	pathways
3720	2.81818182	0.01435892	0.35483871	6	5	FALSE	SOD2	4.83333333	6	0	0.6969697	FALSE	SOD2	846	0.38333333	gene
3755	2.81818182	0.00448469	0.35483871	5	6	FALSE	M30	16.8	5	0	0.6969697	FALSE	M30	406	0.68695652	mol
3743	2.41818182	0.03243011	0.41353383	5	4	FALSE	M10	12	5	0	0.76363636	FALSE	M10	1272	0.34375	mol
3739	2.41818182	0.01864925	0.41353383	5	6	FALSE	MAPK signaling pathway	16.8	5	0	0.76363636	FALSE	MAPK signaling pathway	1242	0.46470588	pathways
3738	2.74545455	0.00975518	0.36423841	5	6	FALSE	AMPK signaling pathway	14.4	5	0	0.70909091	FALSE	AMPK signaling pathway	504	0.536	pathways
3736	2.74545455	0.00502659	0.36423841	5	6	FALSE	mTOR signaling pathway	17.4	5	0	0.70909091	FALSE	mTOR signaling pathway	462	0.656	pathways
3735	2.52727273	0.01067942	0.39568345	5	6	FALSE	Hepatitis B	17.6	5	0	0.74545455	FALSE	Hepatitis B	978	0.53548387	pathways
3731	2.70909091	0.00969015	0.36912752	5	6	FALSE	FoxO signaling pathway	16	5	0	0.71515152	FALSE	FoxO signaling pathway	720	0.57692308	pathways
3728	2.74545455	0.00502659	0.36423841	5	6	FALSE	EGFR tyrosine kinase inhibitor resistance	17.4	5	0	0.70909091	FALSE	EGFR tyrosine kinase inhibitor resistance	462	0.656	pathways
3727	2.74545455	0.00924861	0.36423841	5	6	FALSE	Longevity regulating pathway - multiple	14.8	5	0	0.70909091	FALSE	Longevity regulating pathway - multiple	634	0.552	pathways
3745	2.63636364	0.02639953	0.37931034	4	4	FALSE	M13	12.5	4	0	0.72727273	FALSE	M13	776	0.42592593	mol
3737	2.56363636	0.00716583	0.39007092	4	6	FALSE	Toxoplasmosis	17.25	4	0	0.73939394	FALSE	Toxoplasmosis	640	0.52419355	pathways
3733	2.81818182	0.00305513	0.35483871	4	6	FALSE	HIF-1 signaling pathway	17	4	0	0.6969697	FALSE	HIF-1 signaling pathway	276	0.66666667	pathways
3732	2.92727273	9.73E-04	0.34161491	4	6	FALSE	Phospholipase D signaling pathway	18	4	0	0.67878788	FALSE	Phospholipase D signaling pathway	106	0.80952381	pathways
3729	2.92727273	9.73E-04	0.34161491	4	6	FALSE	Hepatocellular carcinoma	18	4	0	0.67878788	FALSE	Hepatocellular carcinoma	106	0.80952381	pathways
3723	2.85454545	0.004333	0.35031847	4	6	FALSE	Chemical carcinogenesis - reactive oxygen	16.25	4	0	0.69090909	FALSE	Chemical carcinogenesis - reactive oxygen	326	0.66304348	pathways
3715	2.70909091	0.00961428	0.36912752	4	5	FALSE	PPARG	6.25	4	0	0.71515152	FALSE	PPARG	590	0.47727273	gene
3759	2.81818182	0.0072884	0.35483871	3	4	FALSE	P3	12	3	0	0.6969697	FALSE	P3	324	0.47826087	mol
3750	2.85454545	0.01572348	0.35031847	3	4	FALSE	M24	9.33333333	3	0	0.69090909	FALSE	M24	332	0.37878788	mol
3746	2.81818182	0.00854716	0.35483871	3	4	FALSE	M15	14	3	0	0.6969697	FALSE	M15	338	0.56521739	mol
3744	2.74545455	0.01067406	0.36423841	3	6	FALSE	M12	14	3	0	0.70909091	FALSE	M12	468	0.48148148	mol
3742	2.89090909	0.00402532	0.34591195	3	4	FALSE	M9	13	3	0	0.68484848	FALSE	M9	198	0.57142857	mol
3741	2.89090909	0.00402532	0.34591195	3	4	FALSE	M6	13	3	0	0.68484848	FALSE	M6	198	0.57142857	mol
4107	3.18181818	0.00314079	0.31428571	2	6	FALSE	C42	10	2	0	0.63636364	FALSE	C42	102	0.5625	mol
3757	3.21818182	0.07138047	0.31073446	2	4	FALSE	M32	7.5	2	0	0.63030303	FALSE	M32	1620	0.5	mol
3749	4.16363636	0.03636364	0.24017467	2	5	FALSE	ALB	1.5	2	0	0.47272727	FALSE	ALB	812	0.5	gene
3747	2.96363636	0.00167972	0.33742331	2	4	FALSE	M18	15	2	0	0.67272727	FALSE	M18	94	0.7	mol
3740	2.96363636	0.00167972	0.33742331	2	4	FALSE	M5	15	2	0	0.67272727	FALSE	M5	94	0.7	mol
4103	3.29090909	0	0.3038674	1	6	FALSE	C31	15	1	0	0.61818182	FALSE	C31	0	0	mol
4104	3.29090909	0	0.3038674	1	6	FALSE	C30	15	1	0	0.61818182	FALSE	C30	0	0	mol
4106	3.21818182	0	0.31073446	1	6	FALSE	C13	17	1	0	0.63030303	FALSE	C13	0	0	mol
3758	3.47272727	0	0.28795812	1	6	FALSE	P2	11	1	0	0.58787879	FALSE	P2	0	0	mol
3756	3.47272727	0	0.28795812	1	6	FALSE	M31	11	1	0	0.58787879	FALSE	M31	0	0	mol
3754	3.47272727	0	0.28795812	1	6	FALSE	M29	11	1	0	0.58787879	FALSE	M29	0	0	mol
3753	3.29090909	0	0.3038674	1	6	FALSE	M28	15	1	0	0.61818182	FALSE	M28	0	0	mol
3752	3.4	0	0.29411765	1	6	FALSE	M26	12	1	0	0.6	FALSE	M26	0	0	mol
3751	3.47272727	0	0.28795812	1	6	FALSE	M25	11	1	0	0.58787879	FALSE	M25	0	0	mol
3748	5.14545455	0	0.19434629	1	6	FALSE	M23	2	1	0	0.30909091	FALSE	M23	0	0	mol